

***Meeting of the  
New York State Reliability Council, L.L.C. (NYSRC)  
Reliability Rules Subcommittee (RRS)***

***Minutes of RRS Meeting #278  
Thursday, June 1, 2023***

**RRS Members and Alternatives:**

Roger Clayton	EPR, LLC	Member/Chairman
Saud Amin	CONED	Alt Member
Damian Interrante	CHGE	Member
Michael Ridolfino	CHGE	Alt Member
Brian Shanahan	National Grid	Member
Frank Grimaldi	NYPA	Alt. Member/Secretary
Robert Eisenhuth	PSEGLI	Member

**RRS Non-Voting Participants:**

Paul Gioia	Counsel
Wesley Yoemans	Consultant

**Guests:**

Keith Burrell	NYISO
Chris Sharp	NYISO
Jim Grant	NYISO
Kevin Depugh	NYISO
Laura Popa	NYISO
Dan Head	NYISO
Neethu Abraham	GE Consultant Retained by NYISO
Rahul Pandit	PSEGLI
Curt Dahl	PSEGLI

## **Agenda Items**

### **1.0 Introduction**

-Meeting 278 was called to order by Roger Clayton at 10:10.

#### **1.1 Executive Session**

None.

#### **1.2 Requests for Additional Agenda Items**

None.

### **2.0 Approval of Meeting Minutes/Action Items**

#### **2.1 RRS 277 Approval of Minutes -R. Clayton**

-Minutes reviewed and approved for meeting 277.

#### **2.2 RRS 277 Status Report to EC -R. Clayton**

No comments.

#### **2.3 RRS 277 Action Item List -R. Clayton**

The status of Action Items are as follows:

Action Item 83-8: Ongoing  
Action Item 228-1: Ongoing  
Action Item 232-6: Ongoing  
Action Item 236-1: Ongoing  
Action Item 276-2: Ongoing  
Action Item 277-1: Ongoing  
Action Item 277-2: Complete  
Action Item 278-1: Added

### **3.0 NYSRC Reliability Rules (RR) Development**

#### **3.1 Potential Reliability Rule (PRR) List Outstanding -R. Clayton**

Reviewed list of PRRs.

## **3.2 PRRs in development**

### **3.2.1 See Agenda Item 3.5.2 below**

Comments were received and are being reviewed.

## **3.3 PRRs for EC final approval after posting – PRR 151 under review**

### **3.3.1 PRR 151 “Establishing Minimum Interconnection Standard for Large Facility Inverter Based Resources (IBR)” -R. Clayton**

Comments received will be incorporated into the original draft of PRR151.

### **3.3.2 CY23 Final Member List -R. Clayton**

Reviewed generation portfolio that will be added to the grid by type of generation.

Concern raised that a large amount of IBR generation will be added without PRR 151 in place.

### **3.3.3 PRR 151 Presentation – Initial Review of Stakeholder Comments -R. Clayton**

Responses to PRR151 received from nine stakeholders were broken down into three categories, General, Procedural, and Technical. Eighty total comments were received.

Following the review of comments received there will be a stakeholder outreach. PRR151 will be modified to incorporate comments. The expected timeline to approve PRR151 is Fall of 2023.

The NYISO has expressed that they would like to reserve the right to bring comments to NYSRC after PRR151 is adopted.

## **3.4 Discussion of Potential New Rules**

### **3.4.1 Embedded HVDC**

Reviewed Table B-1 of NYSRC Planning Design Criteria: Contingency Events and Performance Requirements from NYSRC Reliability Rules & Compliance Manual.

Discussion on whether we need to revise Table B-1 if and when embedded HVDC facilities are added to the NY grid.

The main question raised is whether there is a characteristic of embedded HVDC that could drive a need to revise Table B-1.

Action Item 278-1 added for RRS to continue discussion on the need for a reliability rule related to embedded HVDC.

### **3.5 Extreme Weather Working Group**

#### **3.5.1 OSW Wind Lull Analysis -C.Dahl**

Reviewed wind lull report. A white paper is being developed based on the data and analysis.

The data suggests that wind is an intermittent resource and there could be low to no wind for long durations. The longest wind lull on record is four days.

Considerations for the subcommittee:

1. How to deal/plan with these types of events.
2. How sensitivity analysis should be considered in planning cases
3. Resiliency must be built into the system

Other concerns presented:

-70% of wind lulls have occurred during the summer months.

-If a lull or major event occurs, it could impact all wind generation in the region for both our control area and our neighbors.

#### **3.5.2 Discussion of PRR to address solar/wind lull -C.Dahl**

Reliability rules were suggested to address solar/wind lull scenarios which included:

1. PRR to address the general loss of wind generation (as opposed to a single plant or turbine).
2. PRR that establishes planning criteria and grid resiliency measures.
3. PRR to collect and analyze data to better understand the impact of wind and weather events.

The data that was suggested to be collected was broken down into two areas.

1. Current year wind, solar, and terrestrial weather data
2. Developer of projects to provide Operational and design characteristics of their plants.

The Extreme Weather Working Group will continue discussions on this topic.

## **4.0 NERC SARS/Organization Standards**

### **4.1 NERC Standard Tracking -W. Yeomans**

Reviewed the NERC reliability standard balloting summary.

-2021-07 Extreme Cold Weather Grid Operation failed to pass. NERC will try to get it back on the ballot as soon as possible.

-BAL-003-3 was voted on yesterday.

## **5.0 Additional Agenda Items**

### **5.1 Removal request for National Grid Reliability Rule Exception #23 -B. Shanahan**

National Grid made a formal request to RRS to remove Reliability Rule Exception #23.

RRS agreed to recommend the removal of Exception #23 to the EC.

## **6.0 Reports**

### **6.1 NYSRC EC Meeting Report -R. Clayton**

-Updated website rollout is planned for Fall of 2023.

-Budget discussions are ongoing for next year with consideration being given to the upcoming challenges we and the industry will be facing.

### **6.2 NYSRC ICS Meeting Report -B. Shanahan**

-Assumptions Matrix updated

-Peaker units will stay in service for upcoming capability year

-Provided an update on load forecast uncertainty, not currently ready to include new load forecast metrics yet.

-Reviewing Emergency Operating Procedures to reevaluate external MW support numbers, gas constraints, and IRM study results. The IRM study resulted in no changes to the conclusions. Sensitivity analysis for the IRM study considered loss of wind and loss of solar.

## **9.0 Next Meeting**

Meeting #278 was adjourned at 11:57 PM.

The next meeting (#279) is scheduled for Thursday, June 29, 2023 at 10:00 am by WEBEX.